



March 07, 2019

Rob King Hampton Bays Water District P.O. Box 1013 Hampton Bays, NY 11946

RE: Project: DIST BACT 3/6
Pace Project No.: 7081477

#### Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

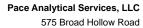
Stu Murrell stu.murrell@pacelabs.com (631)694-3040 Project Manager

Ster Munell

**Enclosures** 

cc: Warren Booth, Hampton Bays Water District John Collins, H2M Group Stella Michaels, Hampton Bays Water District Paul Ponturo, H2M Group





Pace Analytical www.pacelabs.com

Melville, NY 11747 (631)694-3040

#### **CERTIFICATIONS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

#### **Long Island Certification IDs**

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158 Pennsylvania Certification #: 68-00350 Connecticut Certification #: PH-0435 Maryland Certification #: 208

Rhode Island Certification #: LAO00340 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987



#### **SAMPLE SUMMARY**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7081477001	HB27	Drinking Water	03/06/19 08:15	03/06/19 16:15
7081477002	HB2	Drinking Water	03/06/19 08:30	03/06/19 16:15
7081477003	HB3	Drinking Water	03/06/19 08:45	03/06/19 16:15
7081477004	HB4	Drinking Water	03/06/19 09:00	03/06/19 16:15
7081477005	HB5	Drinking Water	03/06/19 09:15	03/06/19 16:15
7081477006	HB6	Drinking Water	03/06/19 09:30	03/06/19 16:15
7081477007	HB7	Drinking Water	03/06/19 10:00	03/06/19 16:15
7081477008	HB8	Drinking Water	03/06/19 10:15	03/06/19 16:15
7081477009	HB9	Drinking Water	03/06/19 08:00	03/06/19 16:15
7081477010	HB10	Drinking Water	03/06/19 10:30	03/06/19 16:15
7081477011	HB11	Drinking Water	03/06/19 10:45	03/06/19 16:15



#### **SAMPLE ANALYTE COUNT**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7081477001	— ———————————————————————————————————	SM22 9223B Colilert	AL1	2
7081477002	HB2	SM22 9223B Colilert	AL1	2
7081477003	HB3	SM22 9223B Colilert	AL1	2
7081477004	HB4	SM22 9223B Colilert	AL1	2
7081477005	HB5	SM22 9223B Colilert	AL1	2
7081477006	HB6	SM22 9223B Colilert	AL1	2
7081477007	HB7	SM22 9223B Colilert	AL1	2
7081477008	HB8	SM22 9223B Colilert	AL1	2
7081477009	HB9	SM22 9223B Colilert	AL1	2
7081477010	HB10	SM22 9223B Colilert	AL1	2
7081477011	HB11	SM22 9223B Colilert	AL1	2



#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB27	Lab ID: 7081477001		Collecte	Collected: 03/06/19 08:15			Received: 03/06/19 16:15 Matrix: Drir		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical N	/lethod:							
Field Residual Chlorine	0.67	mg/L			1		03/06/19 08:15		N3
MBIO Total Coliform DW	Analytical N	Method: SM22	2 9223B Co	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	03/06/19 18:00 03/06/19 18:00	03/07/19 12:00 03/07/19 12:00		



Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB2	Lab ID: 7081477002		Collecte	Collected: 03/06/19 08:30			Received: 03/06/19 16:15 Matrix: Di		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical N	Method:							
Field Residual Chlorine	0.55	mg/L			1		03/06/19 08:30		N3
MBIO Total Coliform DW	Analytical M	/lethod: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/06/19 18:00	03/07/19 12:00		
E.coli	Absent				1	03/06/19 18:00	03/07/19 12:00		



Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB3	Lab ID: 7081477003		Collecte	ed: 03/06/1	9 08:45	Received: 03/	06/19 16:15 Mat	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical N	Method:							
Field Residual Chlorine	0.22	mg/L			1		03/06/19 08:45		N3
MBIO Total Coliform DW	Analytical N	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/06/19 18:00	03/07/19 12:00		
E.coli	Absent				1	03/06/19 18:00	03/07/19 12:00		



Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB4	Lab ID: 7081477004		Collecte	d: 03/06/1	9 09:00	Received: 03/	06/19 16:15 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical N	/lethod:							
Field Residual Chlorine	0.29	mg/L			1		03/06/19 09:00		N3
MBIO Total Coliform DW	Analytical N	Method: SM22	2 9223B Co	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	03/06/19 18:00 03/06/19 18:00	03/07/19 12:00 03/07/19 12:00		



Date: 03/07/2019 04:55 PM

#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB5	Lab ID: 7081477005		Collecte	d: 03/06/1	9 09:15	Received: 03/	06/19 16:15 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Mo	ethod:							
Field Residual Chlorine	0.57	mg/L			1		03/06/19 09:15		N3
MBIO Total Coliform DW	Analytical Mo	ethod: SM22	2 9223B Col	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	03/06/19 18:00 03/06/19 18:00	03/07/19 12:00 03/07/19 12:00		



Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB6	Lab ID: 708147	7006 Collecte	Collected: 03/06/19 09:30		Received: 03/	06/19 16:15 Ma	Matrix: Drinking Water	
Parameters	Results Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Method:							
Field Residual Chlorine	<b>0.36</b> mg/L			1		03/06/19 09:30		N3
MBIO Total Coliform DW	Analytical Method:	SM22 9223B Co	lilert Prepa	aration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	03/06/19 18:00 03/06/19 18:00	03/07/19 12:00 03/07/19 12:00		



#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB7	Lab ID: 7081	1477007 Collect	ed: 03/06/1	9 10:00	Received: 03/	06/19 16:15 Ma	atrix: Drinking Water	
Parameters	Results U	Report nits Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Meth	od:						
Field Residual Chlorine	<b>0.36</b> m	ng/L		1		03/06/19 10:00		N3
MBIO Total Coliform DW	Analytical Meth	od: SM22 9223B Co	olilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	03/06/19 18:00 03/06/19 18:00	03/07/19 12:00 03/07/19 12:00		



#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB8	Lab ID: 7081477008		Collecte	Collected: 03/06/19 10:15			Received: 03/06/19 16:15 Matrix: Drink		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical	Method:							
Field Residual Chlorine	0.97	mg/L			1		03/06/19 10:15		N3
MBIO Total Coliform DW	Analytical	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/06/19 18:00	03/07/19 12:00		
E.coli	Absent				1	03/06/19 18:00	03/07/19 12:00		



#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB9	Lab ID: 7081477009		Collecte	ed: 03/06/1	9 08:00	Received: 03/	06/19 16:15 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical I	Method:							
Field Residual Chlorine	0.79	mg/L			1		03/06/19 08:00		N3
MBIO Total Coliform DW	Analytical I	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/06/19 18:00	03/07/19 12:00		
E.coli	Absent				1	03/06/19 18:00	03/07/19 12:00		



#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB10	Lab ID: 7081477010		Collected: 03/06/19 10:30			Received: 03/	trix: Drinking Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical N	Method:							
Field Residual Chlorine	0.54	mg/L			1		03/06/19 10:30		N3
MBIO Total Coliform DW	Analytical N	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/06/19 18:00	03/07/19 12:00		
E.coli	Absent				1	03/06/19 18:00	03/07/19 12:00		



#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Sample: HB11	Lab ID:	7081477011	Collecte	d: 03/06/1	9 10:45	Received: 03/	06/19 16:15 Ma	trix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical	Method:							
Field Residual Chlorine	0.40	mg/L			1		03/06/19 10:45		N3
MBIO Total Coliform DW	Analytical	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/06/19 18:00	03/07/19 12:00		
E.coli	Absent				1	03/06/19 18:00	03/07/19 12:00		



#### **QUALITY CONTROL DATA**

Project: DIST BACT 3/6

Pace Project No.: 7081477

Date: 03/07/2019 04:55 PM

QC Batch: 104393 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotCoIDW MBIO Total Coliform

Associated Lab Samples: 7081477001, 7081477002, 7081477003, 7081477004, 7081477005, 7081477006, 7081477007, 7081477008,

7081477009, 7081477010, 7081477011

METHOD BLANK: 482600 Matrix: Drinking Water

Associated Lab Samples: 7081477001, 7081477002, 7081477003, 7081477004, 7081477005, 7081477006, 7081477007, 7081477008,

7081477009, 7081477010, 7081477011

Parameter Units Result Limit Analyzed Qualifiers

E.coli Absent 03/07/19 12:00

Total Coliforms Absent 03/07/19 12:00

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



#### **QUALIFIERS**

Project: DIST BACT 3/6
Pace Project No.: 7081477

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

#### **ANALYTE QUALIFIERS**

Date: 03/07/2019 04:55 PM

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.



#### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: DIST BACT 3/6
Pace Project No.: 7081477

Date: 03/07/2019 04:55 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7081477001	HB27		104440		
7081477002	HB2		104440		
7081477003	HB3		104440		
7081477004	HB4		104440		
7081477005	HB5		104440		
7081477006	HB6		104440		
7081477007	HB7		104440		
7081477008	HB8		104440		
7081477009	НВ9		104440		
7081477010	HB10		104440		
7081477011	HB11		104440		
7081477001	HB27	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477002	HB2	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477003	HB3	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477004	HB4	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477005	HB5	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477006	HB6	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477007	HB7	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477008	HB8	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477009	HB9	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477010	HB10	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532
7081477011	HB11	SM22 9223B Colilert	104393	SM22 9223B Colilert	104532



# Client Info:

Name or Code:	HAMPTON BAYS WATER DISTRICT
Address.	PO. BOX 1013
	HAMPTON BAYS, NEW YORK 11946
	(631) 728-0179
Phone #:	
Attn:	

imple Request Form	.IC	Ç
Samp	PUBL	

11-9-0	G. VALENTINO	108/11	3,8°C
Date:	Collected By:	Accepted By:	Cooler Temp:

WELL OFF LINE	WELL RUN TO SYSTEM	☐ YES ☐ NO VOC'S PRESERVED WITH HCI
	1018	B

Purpose	RO - Routine
Sample Types	PW - Potable Water

Groundwater	Surface Water	- Waste Water
- 1	1	-1
GW	SW	<b>M</b>

Proj. # or (Name):

Copies To: Bill To: \_

AQ - Aqueous S - Soil

-	- Routine	- Resample	- Special		
	8	뿐	S		

## GAC - Granular Activated Charcoal N - Nitrate Removal Plant int **Treatment Types** AST - Air Stripper

D - Distribution RW - Raw Well

Origin

	IIIA WOII		250	GAC - Granular Acilvaled
2	TW - Treated Well	Well	Z	N - Nitrate Removal B
۲	T Tank			
_	ומוצ		Ш	FE - Iron Removal Plar
MM	MW - Monitoring Well	IIaW na	I	
		10.4.6	0	- Other
_	- Influent			

- Influent - Effluent

Sample Info:										
Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field R	Field Readings Cl <sub>2</sub> pH/Temp	Analysis	ysis	Lab No.
3-6-1915	Pw	7C H	2	)	Co	.67 7.4c	7.40	Baco wheel		100
3-6-19	23	+2	0	١	Co	858	7.45	-		700
3-6-19	P.S.	. E#	0	1	Q	.22	7.40/12.30	7.40/12.34 BACT WILL, IOC	TOC	003
3-6-19	Per	44	0	1	Q	62.	et 7.43	Bag wla		hoo
215							(			

3-6-19	3	7-4	0	1	B	620	4.43	BAG WALL		000/	-
3-6-19	P.	45	A	>	Ro	£5.	7.48	Baca wala		500	
3-6-19430	Pe	74	0	,	63	,36	7.50	isocr whee		200	
3-6-1900	Z	47	0	,	8	.36	7.56	किय जीव		100	
3-6-19 6	B	00 F	0	ı	925	£6.	7.61/6.70		201	ack	,
3-6-19	3	#9	0	,	Ro	. 79	7.35	7.35 BACK WICE		boo	
3-6-19 1020	3	±0	0	j	G	.54	7.54 .	Ber wee		010	,
5hab1-9-80	PW	一十一	<u></u> ∠	1	Ro	offe	7.44	7.44 Bot wler		110	
a Remarks:											
f 20											-

### Pace Analytical Long Intend Cabronny

#### Sample Condition Upon Receipt

Pace Analytical				6	W0# - 7001177
	Client Na	me:	17	Proj	WO#:7081477
	1/2	H	sw		PM: SWM Due Date: 04/05/19
Courier: Fed Ex UPS USPS Clien	nt Commerc	ial Pa	ce Dthe	er	CLIENT: HBW
Tracking #:  Custody Seal on Cooler/Box Present: Ye	s No	Seals i	ntact:	Yes □ No	Temperature Blank Present: Yes No
•				100 [] 110	
Packing Material: Bubble Wrap Bubble E			Other	0	Type of Ice: Wet Blue None
Thermometer Used: 114091	Correction			7	Samples on ice, cooling process has begun
Cooler Temperature (°C):	Cooler Tem	perature	Correcte	d (°C): 316	Date/Time 5035A kits placed in freezer
Temp should be above freezing to 6.0°C				2	Pd 2/1/4
USDA Regulated Soil ( N/A, water sample					of person examining contents: 3/6/1
Did samples originate in a quarantine zone within the UNM, NY, OK, OR, SC, TN, TX, or VA (check map)?	United States: AL		FL, GA, ID,	LA, MS, NC,	Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)?   Yes  No
If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.					
					COMMENTS:
Chain of Custody Present:	DY es	□No		1.	
Chain of Custody Filled Out:	Yes	□No		2.	
Chain of Custody Relinquished:	ØYes	□No		3.	
Sampler Name & Signature on COC:	∕ÍYes	□No	□N/A	4.	
Samples Arrived within Hold Time:	<b>Ø</b> Yes	□No		5.	
Short Hold Time Analysis (<72hr):	ØYes .	□No		6.	
Rush Turn Around Time Requested:	□Yes	ΓΖίΝο		7.	
Sufficient Volume: (Triple volume provided for MS/MSI	D' D'Yes	□No		8.	
Correct Containers Used:	☑Yes	□No		9.	*
-Pace•Containers Used:		□No			
Containers Intact:	☐Yes	□No		10.	
Filtered volume received for Dissolved tests	□Yes	□No	□MA	11. Note if sec	diment is visible in the dissolved container.
Sample Labels match COC:	□\Yes	□No		12.	
	77)OIL				
All containers needing preservation have been checked	□Yes	□No	M/A	13. ☐ HNO <sub>3</sub>	☐ H₂SO₄ ☐ NaOH ☐ HCI
pH paper Lot #					5
All containers needing preservation are found to be in				Sample #	
compliance with EPA recommendation?	□Yes	□No	DN/A		
(HNO₃, H₂SO₄, HCI, NaOH>9 Sulfide, NAOH>12 Cyanide)			фімд		
Exceptions: VOA, Ooliform, TOC/DOC, Oil and Grease DRO/8015 (water).	9,			Initial when complete	ed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis			7		
Samples checked for dechlorination:	□Yes	□No	□N/A	14.	
KI starch test strips Lot #			1		
Residual chlorine strips Lot #					r Res. Chlorine? Y N
Headspace in VOA Vials ( >6mm):	□Yes	□No	ФN/A	15.	
Trip Blank Present:	□Yes	□No	ФN/A	16.	1
Trip Blank Custody Seals Present	□Yes	□No	DN/A		
Pace Trip Blank Lot # (if applicable):			,		
Client Notification/ Resolution:				Field Data Require	
Person Contacted:				Date/Tin	ne:
Comments/ Resolution:					
-					

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.